

Title (en)

Magnetic compass.

Title (de)

Magnetischer Kompass.

Title (fr)

Compas magnétique.

Publication

EP 0436794 B1 19950222 (EN)

Application

EP 90121292 A 19901107

Priority

IL 9223989 A 19891107

Abstract (en)

[origin: EP0436794A1] An electronic compass system for determining the heading of an armored vehicle containing a large mass of ferromagnetic material, which system comprises a plurality of sensors, and for real-time computation of the corrections required of actual magnetometer measurements. Part of the values used for the computation are computed in advance, and part in real-time. Some of the computations are based on the perturbation of the earth magnetic field based on an algorithm which takes into account one or two rotational prolate ferromagnetic ellipsoids which have certain dimensions and which are at a predetermined distance from each other either represent the body of an armored vehicle, or when two ellipsoids are used, they represent the hull and turret of a tank.

IPC 1-7

G01C 17/38

IPC 8 full level

G01C 17/38 (2006.01)

CPC (source: EP US)

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Cited by

CN103674000A; FR2931248A1; EP3283844A4; US10698042B2; WO2009138441A1; US9459098B2

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